

#### MX7524KN+ Information



For Reference Only

Part Number MX7524KN+
Manufacturer Maxim Integrated
Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 8BIT MULT 16-DIP **Package** 16-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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## **MX7524KN+ Specifications**

Manufacturer Part Number         MX7524KN+           Manufacturer         Maxim Integrated           Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         16-DIP (0.300", 7.62mm)           Series         -           Number of Bits         8           Number of D/A Converters         1           Settling Time         500ns           Output Type         Current - Unbuffered           Differential Output         Yes           Data Interface         Parallel           Reference Type         External           Voltage - Supply, Analog         5 V ~ 15 V           Voltage - Supply, Digital         5 V ~ 15 V           INL/DNL (LSB)         ±0.5 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         16-DIP (0.300", 7.62mm)           Supplier Device Package         16-PDIP           Mounting Type         Report errors?		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         16-DIP (0.300", 7.62mm)           Series         -           Number of Bits         8           Number of D/A Converters         1           Settling Time         500ns           Output Type         Current - Unbuffered           Differential Output         Yes           Data Interface         Parallel           Reference Type         External           Voltage - Supply, Analog         5 V ~ 15 V           Voltage - Supply, Digital         5 V ~ 15 V           INL/DNL (LSB)         ±0.5 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         16-DIP (0.300", 7.62mm)           Supplier Device Package         16-PDIP           Mounting Type         -	Manufacturer Part Number	MX7524KN+
Data Acquisition - Digital to Analog Converters (DAC)         Package       16-DIP (0.300", 7.62mm)         Series       -         Number of Bits       8         Number of D/A Converters       1         Settling Time       500ns         Output Type       Current - Unbuffered         Differential Output       Yes         Data Interface       Parallel         Reference Type       External         Voltage - Supply, Analog       5 V ~ 15 V         Voltage - Supply, Digital       5 V ~ 15 V         INL/DNL (LSB)       ±0.5 (Max), ±1 (Max)         Architecture       R-2R         Operating Temperature       0°C ~ 70°C         Package / Case       16-DIP (0.300", 7.62mm)         Supplier Device Package       16-PDIP         Mounting Type       -	Manufacturer	Maxim Integrated
Package         16-DIP (0.300", 7.62mm)           Series         -           Number of Bits         8           Number of D/A Converters         1           Settling Time         500ns           Output Type         Current - Unbuffered           Differential Output         Yes           Data Interface         Parallel           Reference Type         External           Voltage - Supply, Analog         5 V ~ 15 V           Voltage - Supply, Digital         5 V ~ 15 V           INL/DNL (LSB)         ±0.5 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         16-DIP (0.300", 7.62mm)           Supplier Device Package         16-PDIP           Mounting Type         -	Category	Integrated Circuits (ICs)
Series-Number of Bits8Number of D/A Converters1Settling Time500nsOutput TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog5 V ~ 15 VVoltage - Supply, Digital5 V ~ 15 VINL/DNL (LSB)±0.5 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIPMounting Type-		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits  Number of D/A Converters  1  Settling Time  500ns  Output Type  Current - Unbuffered  Differential Output  Yes  Data Interface  Parallel  Reference Type  External  Voltage - Supply, Analog  5 V ~ 15 V  Voltage - Supply, Digital  5 V ~ 15 V  INL/DNL (LSB)  40.5 (Max), ±1 (Max)  Architecture  R-2R  Operating Temperature  0°C ~ 70°C  Package / Case  16-DIP (0.300", 7.62mm)  Supplier Device Package  Mounting Type  -	Package	16-DIP (0.300", 7.62mm)
Number of D/A Converters       1         Settling Time       500ns         Output Type       Current - Unbuffered         Differential Output       Yes         Data Interface       Parallel         Reference Type       External         Voltage - Supply, Analog       5 V ~ 15 V         Voltage - Supply, Digital       5 V ~ 15 V         INL/DNL (LSB)       ±0.5 (Max), ±1 (Max)         Architecture       R-2R         Operating Temperature       0°C ~ 70°C         Package / Case       16-DIP (0.300", 7.62mm)         Supplier Device Package       16-PDIP         Mounting Type       -	Series	-
Settling Time 500ns Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 5 V ~ 15 V Voltage - Supply, Digital 5 V ~ 15 V INL/DNL (LSB) ±0.5 (Max), ±1 (Max) Architecture R-2R Operating Temperature 0°C ~ 70°C Package / Case 16-DIP (0.300", 7.62mm) Supplier Device Package Mounting Type -	Number of Bits	8
Output Type Current - Unbuffered  Differential Output Yes  Data Interface Parallel  Reference Type External  Voltage - Supply, Analog 5 V ~ 15 V  Voltage - Supply, Digital 5 V ~ 15 V  INL/DNL (LSB) ±0.5 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 16-DIP (0.300", 7.62mm)  Supplier Device Package 16-PDIP  Mounting Type -	Number of D/A Converters	1
Differential Output  Parallel  Reference Type  External  Voltage - Supply, Analog  Voltage - Supply, Digital  INL/DNL (LSB)  Architecture  Package / Case  16-DIP (0.300", 7.62mm)  Mounting Type  Package  Parallel  External  S V ~ 15 V  Loss (Max), ±1 (Max)  ### Comparison of the properties of the pr	Settling Time	500ns
Data Interface Parallel  Reference Type External  Voltage - Supply, Analog 5 V ~ 15 V  Voltage - Supply, Digital 5 V ~ 15 V  INL/DNL (LSB) ±0.5 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 16-DIP (0.300", 7.62mm)  Supplier Device Package 16-PDIP  Mounting Type -	Output Type	Current - Unbuffered
Reference TypeExternalVoltage - Supply, Analog $5 \text{ V} \sim 15 \text{ V}$ Voltage - Supply, Digital $5 \text{ V} \sim 15 \text{ V}$ INL/DNL (LSB) $\pm 0.5 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16-\text{DIP} (0.300^{\circ}, 7.62\text{mm})$ Supplier Device Package $16-\text{PDIP}$ Mounting Type-	Differential Output	Yes
Voltage - Supply, Analog $5 \text{ V} \sim 15 \text{ V}$ Voltage - Supply, Digital $5 \text{ V} \sim 15 \text{ V}$ INL/DNL (LSB) $\pm 0.5 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16\text{-DIP (0.300", 7.62mm)}$ Supplier Device Package $16\text{-PDIP}$ Mounting Type-	Data Interface	Parallel
Voltage - Supply, Digital $5 \text{ V} \sim 15 \text{ V}$ INL/DNL (LSB) $\pm 0.5 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16\text{-DIP (0.300'', 7.62mm)}$ Supplier Device Package $16\text{-PDIP}$ Mounting Type-	Reference Type	External
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Voltage - Supply, Analog	5 V ~ 15 V
Architecture R-2R  Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16\text{-DIP} (0.300^{\circ}, 7.62\text{mm})$ Supplier Device Package $16\text{-PDIP}$ Mounting Type -	Voltage - Supply, Digital	5 V ~ 15 V
Operating Temperature0°C ~ 70°CPackage / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIPMounting Type-	INL/DNL (LSB)	$\pm 0.5 \text{ (Max)}, \pm 1 \text{ (Max)}$
Package / Case 16-DIP (0.300", 7.62mm)  Supplier Device Package 16-PDIP  Mounting Type -	Architecture	R-2R
Supplier Device Package 16-PDIP  Mounting Type -	Operating Temperature	0°C ~ 70°C
Mounting Type -	Package / Case	16-DIP (0.300", 7.62mm)
	Supplier Device Package	16-PDIP
Report errors?	Mounting Type	-
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### **MX7524KN+ Guarantees**



### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

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# **MX7524KN+ Payment Methods**



















## **MX7524KN+ Shipping Methods**













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